AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A battery remaining amount warning apparatus that gives a warning about a voltage drop of a battery in a digital camera, comprising:

a measuring device which measures DC resistance or voltage of the battery;

a detecting device which detects a voltage drop of the battery from the DC resistance value or voltage value measured by the measuring device; and

a supply voltage warning device which, when the detecting device detects a voltage drop of the battery, simultaneously displays warnings about drops in the supply voltage according to various modes ~~such as~~ including a ~~recoding~~ recording mode, playback mode and flash charge image pickup mode of the digital camera.

2. (currently amended) The battery remaining amount warning apparatus according to claim 1, wherein simultaneously displaying warnings about drops in the supply voltage according to various modes such as the ~~recoding~~ recording mode, playback mode and flash charge image pickup mode means displaying simultaneously the number of recordable images, the number of reproducible images or times of reproducible images, or the number of images that can be taken in flash charge.

3. (original) A battery remaining amount warning apparatus that gives a warning about a voltage drop of a battery in a digital camera, comprising:

a measuring device which measures DC resistance or voltage of the battery;

a detecting device which detects a voltage drop of the battery from the DC resistance value or voltage value measured by the measuring device; and

a supply voltage warning device which, when the detecting device detects a voltage drop of the battery, calculates a number of images that can be taken in a recording mode of the digital camera from the measured DC resistance value or voltage value through calculations from the DC resistance value or voltage value, or through a table of DC resistance values or voltage values and the number of recordable images, and displaying these values.

4. (new): The battery remaining amount warning apparatus according to claim 1, wherein the various modes include at least, a recoding mode, a playback mode, and a flash charge image pickup mode, and wherein the warnings of each mode are displayed simultaneously based on a voltage condition of the camera.

5. (new): The battery remaining amount warning apparatus according to claim 1,

wherein in simultaneously displaying warnings, for a playback mode, the warning includes information on drops in the supply voltage according to the playback mode comprises displaying the number of reproducible images which can be reproduced based on the voltage drop.

6. (new): The battery remaining amount warning apparatus according to claim 5, wherein when the detecting device detects a voltage drop of the battery, the supply voltage warning device calculates a number of images that can be reproduced in the playback mode of the digital camera from the measured DC resistance value or voltage value through calculations from the DC resistance value or voltage value, or through a table of DC resistance values or voltage values and the number of reproducible images, and displaying these values.

7. (new): The battery remaining amount warning apparatus according to claim 1, wherein in simultaneously displaying warnings, for the flash charge image pickup mode, the warning information includes information about drops in the supply voltage according to the flash charge image pickup mode comprises displaying the number of the number of images that can be taken in flash charge based on the voltage drop.

8. (new): The battery remaining amount warning apparatus according to claim 7, wherein when the detecting device detects a voltage drop of the battery, the supply voltage warning device calculates a number of images that can be taken in flash charge in the flash charge image pickup mode of the digital camera from the measured DC resistance value or voltage value through calculations from the DC resistance value or voltage value, or through a table of DC resistance values or voltage values and the number of images that can be taken in flash charge, and displaying these values.

9. (new): The battery remaining amount warning apparatus according to claim 1, wherein when the detecting device detects a voltage drop of the battery, the supply voltage

warning device calculates the allowable time of operation of each mode of the various modes from the measured DC resistance value or voltage value through calculations from the DC resistance value or voltage value, or through a table of DC resistance values or voltage values and the allowable time of operation of each mode of the plurality of modes, and displaying these values.